

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1) (currently amended) An acoustic waveguide for propagating sound radiation from an acoustic transducer ~~into an aperture termination, the mouth, from which sound is radiated~~ having a throat and a mouth termination, wherein two or more sections along the length of said waveguide have bounding surfaces that are substantially Elliptic Cylinder and Prolate Spheroidal coordinates from the throat to the mouth.
- 2) (as amended) The waveguide of claim 1 having a first and second section wherein; the first waveguide section is Elliptic Cylinder and the second is Prolate Spheroidal.
- 3) (as amended) The waveguide of claim 1 wherein; the mouth termination has a radius.
- 4) (as amended) The waveguide of claim 2 wherein; the mouth termination has a radius.
- 5) (withdrawn) An acoustic waveguide for propagating sound radiation from an acoustic transducer into a sound field wherein the length of said waveguide has a bounding surface that approximates coordinates of the coordinate system Elliptic Cylinder.
- 6) (withdrawn) The waveguide of claim 5 wherein; the mouth termination has a radius to the baffle.